In Altum...
The MBCET News Letter

Mar Baselios College of Engineering and Technology

Mar Ivanios Vidyanagar, Nalanchira, Thiruvananthapuram – 695 015

MBCET sets a record...
and rewrites history

Hat-Tricks in
two events...

KALAPRATHIBA 2014

The first Engineering College
to win the Overall Championship in the
Kerala University Youth Festival.

Young
Wizard
of Aesthetics
Arjun K. S.

BASKETBALL TEAM

Young Wizards of Basketball :
No. I team in Kerala & Champions, College Games 2014
First Time Achievement of an Engineering College

MESSAGE FROM THE BURSAR

Lent is the annual season of fasting and penitence in preparation for Easter observed by Christians. Austerity, frugality and meagerness, the alienated Lenten qualities have to be retrieved to ensure the meaning of Easter, enabling the resurrection of man into a new life, through introspection and inner transformation. Ironically enough life itself is in a precarious condition today as man fails to detect his own identity in this mad race of life. The consumerist culture of the present generation has transformed man into an impulsive spendthrift obsessed with the craze for luxury.

It is in this context that the Lenten qualities become vitally important. These traits, will help us to remain in tune with Nature, with an awareness that the earth we inhabit is not ours but it belongs to the future generations. This truth has prompted us for a transformation towards an eco-friendly campus initiated already through the installation of solar panels. In fact about 30 to 40 % of the power requirement on the campus is met with by the solar energy. We have now taken up the project for rain - water harvesting on the campus which is in progress. The heat of the summer, leads yet another batch to the crossroads of life. Learn to restrain oneself, look forward, and march ahead with sure steps.

Fr. Wilson Thattaruthundil

PRINCIPAL'S DESK

In order to prepare our students effectively for the workforce of tomorrow, we renew our commitment for Excellence through strategic focus on four key engineering enterprises: education, research, innovation and entrepreneurship. Entrepreneurship is much more than the process of starting a company. By providing opportunities for innovation and entrepreneurship, the College fosters innovative ideas and entrepreneurial thinking in our students and faculty, so that our graduates are well prepared to progress seamlessly into their profession as globally competent innovators and leaders. Learning about entrepreneurship broadens the perspective about ways to pursue your career entrepreneurially, rather than on traditional pathways in particular fields. Today, more than ever, companies seek employees with some type of entrepreneurial experience. Leading companies of all sizes understand that they must innovate to survive and prosper. Students who have developed an entrepreneurial mindset have strong communication skills, recognize how to take initiative, and know how to execute.

A skill-set for pursuing innovation in personal and career contexts, and an approach to life built around creative and positive thinking are the key to success.

Dr. T. M. George

Editors Note

This "age of Information" is spontaneously changing the relationship between the individual and learning. This New Age has not yet succeeded in becoming an "age of knowledge". With its rapid technological advancement, explosive growth and expansion in telecommunications it has increased the risk of social isolation. This sense of isolation, it must genuinely be feared, creeps into the minds of individuals, creating an inward vacuum or strengthening and intensifying the already existing inward emptiness. Technology doubtlessly transforms the structure of economy, resulting in better quality of life. But does it succeed in bringing about change with the same intensity in the inner world of the individual? The interior remains the same; chaotic. The speed of change, the terrifying aspect of the evolution of certain technologies contribute to the corrosion of meaning leading to a world without meaning. The situation reminds us of our duty to ensure the promotion of values through the generation of committed professionals who will fill the interior vacuum with the gospel of love, endurance, tolerance and understanding.

Dr. George Zachariah

Second Semester M.Tech University Examination Results

Our M.Tech. students have given a commendable performance in the University Examinations as testified by the results. In the Tecommunication Engineering Branch, Jijina N. secured the 1st position, Rinju Mariam Rolly 2nd, Lani Rachel Mathew 3rd and Jithu Vimal 4th position respectively. In the Structural Engineering Branch of the Civil Engineering Dept., Anjana Krishnan and Ambili R. G. won the 1st and 4th positions respectively. In the Power Control & Drives Branch, Sarika E. P. secured the 1st, Renu V. 2nd and Anila Prabha the 3rd position. In the Machine Design Branch of the Mechanical Engineering Dept., Deepak B. S. won the 4th and Jithu U. Nath got the 5th positions respectively.

Workshop on 'Innovation, Fabrication and Entrepreneurship' by MIT-TATA Centre

50 students from all Engineering disciplines and semesters attended the workshop on 'Innovation, Fabrication and Entrepreneurship' from 7 December 2013 to 25 January 2014 at MBCET. The workshop was conducted by Sri Rajesh Nair, Graduate Student at Massachusetts Institute of Technology and the programme was funded by MIT-TATA Centre. The students were divided into ten teams of five each, and they were taken through three cycles of problem identification, solution creation, product fabrication, and business pitch. The thirty projects went from simple mind exercise & technology learning, to intense product design and market analysis. It was an eye opener and an extraordinary experience for the students. The initiative that was started by this program has made a significant change in the attitude of not only the participants but the student community as a whole.

Mar Baselios Youth Excellence Award 2014

Mar Baselios Youth Excellence Award instituted as a tribute to the Founder of the College His Beatitude Moran Mor Cyril Baselios Catholicos, the 1st Major Archbishop of Trivandrum, was presented to Mr. Rahul R., S8, Computer Science

Engineering Dept. College of Engineering, Trivandrum, by Shri. Ramesh Chennithala, Hon'ble Minister for Home & Vigilance, Govt. of Kerala. His Beatitude Moran Mor Baselios Cardinal Cleemis Catholicos, Major Archbishop of Trivandrum presided over the function. Mr. Shibu Shajahan, Vice-President, MBCETAA, Fr. Wilson Thattaruthundil, Bursar and Dr. T. M. George, Principal, spoke on the occasion. The Award has been instituted by MBCETAA, the Alumni Association.

Civil Service Examination Orientation Programme Inaugurated

The Civil Service Examination Orientation Programme conducted by MBCET was formally inaugurated by Dr. D. Babu Paul, IAS on 9 Jan. 2014, at the Senatus Hall. Mr.

James Joseph, Former Accountant General of Kerala offered his felicitations on the occasion. Mr. Kalyanasundaram R., Excell Career India, Chennai, gave the key note address.

Civil Engineering Department

- Ms. Parvathy U., Civil Engg. Dept. secured the 2 Rank for M.Tech. in Structural Engineering in the Examinations conducted by the University of Kerala.

- The students of S8 CE made the Department proud by becoming the Kerala University Toppers in the 6 Semester B.Tech results announced in Dec. 2013 with 88.13% pass.

Seminars & Courses Organized by the Department

1. The Civil Engineering Department of MBCET organized a 'National Seminar on Advances in Structural Engineering' (NASE2013) during 16 and 17 December 2013. The inauguration was done by **Shri. T. O. Sooraj IAS, Secretary to Government, Public Works** inaugurated the Programme. The Resource Persons were : 1. Dr. Fadhil Nuruddin, Professor, Universiti Teknologi Petronas. 2. Dr. Narayanan Sambu Potty, Associate Professor, Universiti Teknologi Petronas. 3. Dr. N. Ganesan, Profesor, National Institute of Technology, Calicut, 4. Sri. P. Srinivasan, Sr. Principal Scientist, CSIR-SCRC, Chennai and 5. Dr. P. K. Aravindan, Former Professor, IIT Madras. The seminar provided an interactive platform for professionals, academicians and researchers to present and discuss various innovative ideas, investigations and developments emerging in the field of Structural Engineering. There was also a Lab Session on Mix Design by representatives of

Ultra Tech Limited. Prof. P. N. Mohan, Ms. Jayasree S., Ms. Bindu Biju, Mr. Ajimon Thomas and Mr. Tom George were the Coordinators of the event.

2. The Civil Engineering Students Association (CESA) of Mar Baselios College of Engineering and Technology conducted a talk on "Useful Tips to Kick Start your Civil Engineering Career "for the 1and 2 year Civil Engineering students on 21 February, 2014. Prof. A. N. Brijesh Nair, HOD-CE, Vellore Institute of Technology presided over the function. The talk was conducted to give the students a general awareness about the scope of Civil Engineering.

3. The Department organized a lecture/demonstration on REVET 3-D for S6 Civil Engineering students during Feb. 2014. It was coordinated by Prof. P. N. Mohan, Ms. Tisny D. B. and Mr. Johnson George.

4. The Department of Civil Engineering in association with Centre for Continuing Education of MBCET organized a 20 hour Programme in AUTOCAD 13 for the pre-final year students during Aug. / Sep. 2013. It was coordinated by Prof. P. N. Mohan and Ms. Tisny D. B.

Papers Presented And Workshops Attended By Faculty Members

1. Prof. P. N. Mohan presented guidelines to 'GATE' preparation for the students at T.K.M. College of Engineering, Kollam, College of Engineering, Trivandrum and Institute of Engineers, Trivandrum during Nov. /Dec. 2013.

2. Mr. Ajimon Thomas was the Coordinator for the '2-Week ISTE Workshop on Engineering Mechanics' held at MBCET under the National Mission on Education through ICT, conducted by IIT Bombay from 26 Nov. – 6 Dec. 2013.The workshop had a total of 28 participants; 17 from the Civil Dept., 5 from the Mechanical Dept. and 6 from other Colleges.

3. Dr. Neethu Roy presented a paper, 'Influence of Air Voids of Hot Mix Asphalt on Rutting within the Framework of Mechanistic-Empirical Pavement Design' at the 2 Conference of Transportation Research Group of India, held at Agra from 12 to 15 Dec. 2013.

4. Ms. Jayasree S. presented a paper 'Corrosion Performance of Concrete with Recycled Concrete Aggregate' at the International Conference on Innovations in Concrete (ICI-IWC 2013) held at Hyderabad in Oct. 2013 and the paper was published in the proceedings of the Conference.

5. Ms. Parvathy U. presented a paper 'Experimental Idealization for the Bending Analysis of Functionally Graded Plates' at the 2nd International Conference on Modelling and Simulation in Civil Engineering, in Dec. 2013.

6. Papers by Ms. Jayasree S. and Ms. Tisny D. B. were presented at the National Conference on 'Recent Advances in Structural Engineering' (RASE-2013) held at CUSAT, in Dec. 2013.

7. Papers by Mr. Ajimon Thomas, Ms. Jayasree S., Ms. Tisny D. B. and Ms. Bindu Biju were presented during the National Seminar on 'Recent Engineering Advances and Trends' held at Pankajakasthuri College of Engineering & Technology, Trivandrum on Jan. 15, 2014.

8. Mr. Ajimon Thomas attended the 'One-Week ISTE Workshop for Coordinators on Engineering Mechanics' held at IIT Bombay from 16 -20 Sept., 2013.

9. Mr. Tom George attended a 5-Day Workshop on 'Design of Steel Structures' held at Marian College of Engineering in Dec. 2013.

10. Ms. Lekshmi Chandran attended the following: 1. A 5-Day Workshop on 'Big Data Analytics using SPSS' conducted by Dept. of Business Administration at College of Engineering, Trivandrum during Jan. 2014. 2. A 3-Day Workshop on 'Recent Advances in Subsoil Invesigation' held at College of Engineering, Trivandrum during Nov. 2013.

11. Ms. Ann George and Ms. Anupama Krishnan attended a 3-Day Workshop on 'Innovations in Urban Transport Infrastructure' held at College of Engineering, Trivandrum in Jan. 2014.

12. Mr. Edwin Roy and Mr. Vijin attended a 3-Day Awareness Programme on 'Effective Conducting of Civil Engineering Labs' at T.K.M. College of Engineering in Feb. 2014.

13. Mr. Arun V. M. attended a Short Term Training Programme on 'Sustainable Technologies in Water Treatment' at the College of Engineering, Trivandrum in Jan. 2014.

14. Ms. Jayasree S., Ms. Tisny D. B., Ms.Bindu Biju & Mr. Tom George attended a Faculty Development Programme on 'Experimental Techniques for Materials and Instrumentation' at T.K.M College of Engineering, Kollam in 23-25 Jan., 2014.

15. Prof. P. N. Mohan and Ms. Tisny D. B. attended the 24th Annual Convention of ISTE, Kerala Section in Nov. 2013.

16. Ms. Ansu Mathew & Ms. Parvathy U. attended a Short Term Course on 'Advanced Composite Materials in Engineering' at College of Engineering, Trivandrum in Dec. 2013.

Consultancy & Research

1. Ms. Jayasree S. successfully completed the second year of her research work on 'Corrosion Resistance of Blended Cement Concrete using Recycled Concrete Aggregates' under the sponsorship of KSCSTE.

2. Prof. P. S. Abraham was the Consultant Architect for the Rain Water Harvesting Scheme at MBCET. Ms. Neema Therese and Ms. Lekshmi Chandran conducted the testing of various soil samples for the same during Jan.-Feb. 2014.

Papers Published

1. A paper by Dr. Neethu Roy titled 'Influence of Air Voids of Hot Mix Asphalt on Rutting within theFramework of Mechanistic-Empirical Pavement Design' got published in the Elsevier's Procedia - Social and Behavioral Sciences 104 (2013), 99 – 108, during Dec. 2013.

2. Two papers by Ms. Jayasree S. titled 'Effect of Silica Flume on the Resistance to Chloride Ion Penetration in High Performance Concrete' and 'Bond Strength of Concrete containing Crushed Concrete Aggregates'was published in the American Journal of Engineering Research(AJER), 2013.

Thanal

The Societal Bureau of the Civil Engineering Department keeps on rendering generous services to the under-privileged members of the society. The Department offered complete support through voluntary services to Pallium India throughout the year. 'Thanal' distributed Onam kits with rice and other required groceries to 10 families of Palliative Patients at Nedumangad and Vithura on 7 September, 2013. Mr. Arun V. M. and Mr. Ajimon Thomas along with students of Civil Engineering Department visited Nirmala Shishu Bhavan at Palayam and Snehaveedu at Nalanchira. They attended also the

World Palliative Care Day celebrations held at Shankhumugham in October 2013. For the same event, our students provided transportation facilities to bring the patients to the venue and they also conducted various programs to entertain the patients.

Utbhav

The Annual Technical fest 'UTBHAV 13' was conducted during the last week of September, 2013. Mr. Arun V. M. and Ms. Vandana G. were the coordinators for conducting the event. The fest was inaugurated by **Dr. Raju Narayanaswamy, I.A.S.** The technical events conducted as a part of last year's fest were -Build the Capital, Brain Hunt, Treasure Hunt, Paper Presentation, Planning and Estimation, Cadd Quest and Srishti. All the events were based on the central theme "Renaissance of Trivandrum". More than 200 students from various schools and colleges across Kerala participated in the events. All extra proceeds made from the fete were forwarded to Thanal, the charitable organization of the Department.

Study Tour

1. Under the guidance of Mr. Arun V. M., Ms. Vandana G. and Ms. Anupama Sugathan, the students of S8 CE visited the Muttathara Sewage Treatment Plant, Trivandrum on the 6 February 2014. The students got a hands on experience on the working of the plant erected on a 36-acre built-up space with various chambers where the activated sludge method was employed for water treatment.

2. The M.Tech. final year students had a 1-week visit at Structural Engineering Research Centre (SCRC), Chennai and IIT Madras where they had interactions with the senior Scientists about the current research areas and the latest material testing facilities. The study tour was led by Ms. Jayasree S.

Faculty Inclusion

Ms. Nandini S. Nair – B.Tech., MBCET and M.Tech., NIT, Calicut, joined the Department in Jan.2014.

Student Achievements

- Anjana Krishnan, M4 SE secured the 1st Rank in the Second Semester M.Tech. University Examination in Feb. 2014 with a GPA of 9.6. She was also the University Topper for the first Semester results with a GPA of 9.04.

- Ambili R. G., M4 SE, secured the 2nd Rank in the Second Semester M.Tech. University Examination with a GPA of 9.34.

- Margrette Mary James, S8 CE, is currently doing research work as Junior Scientist with ISRO on the topic 'Dinosaur's DNA and Chromosome Behaviour'.

- The final year students of CE Dept. assisted M/s. L&T RAMBOLL Consulting Engineers Limited, Chennai in carrying out Terminal Passenger Origin-Destination and Opinion Surveys at Thampanoor and East Fort as a part of the Kerala State Transport Project (KSTP) for developing a multi modal transport hub in Thiruvananthapuram.

- Vivek Joy, S4 CE, participated in the MIT Workshop held at MBCET and was a part of the team "Tom.Tech" which developed a device that can detect Apnea in Neonates. Their work was selected as the Best Project and Startup Village and selected them to take part in the National e- governance Conference at Kochi during Jan. 2013.

- Mohammad Noufal, S4 CE, won the following Tournaments as a part of the College Basketball Team: University Basketball Champions during Jan. 2014, South Zone Basketball Tournament Runners-up during Oct. 2013 and College Games Champions during Feb. 2014.

- Elizabeth Cherian, S8 CE, won 1st prize for Table Tennis Team Championship held at Chengannoor during Dec. 2013. She won also the 1st for Table Tennis Tournament held at Women's College, Trivandrum during Jan. 2014.

- Reshmi M. Nair, S4 CE, won 1st prize for Folk Orchestra at the 29th South Zone Inter University Youth Festival held during Dec. 2013.

- Uthara Jayan, S4 CE, won 1st prize for English Elocution (State Level) held in association with the 81st Sivagiri Theerthadana Celebrations 2013-14 at Sivagiri Mutt, Varkala.

- Bincy Mariam Koshy, S4 CE, won the 2nd prize for Chess at the University Sports Meet held at N.S.S College during Sept. 2013.

- Lakshmi A., S4 CE won 2nd prize for Badminton at the Inter collegiate Shuttle Badminton Tournament held during Nov. 2013.

- Jebin Mohan won 1st prize and Deepak K. P. won 2nd prize for Paper Presentation at Saintgits College of Engineering, Kottayam in Oct. 2013.

- Abhinandh G., M4 SE, won 2nd prize for Paper Presentation at Pankajakasthuri College of Engineering & Technology in Jan. 2014.

Department of Computer Science and Engineering

- Ms. Aswathy Ravikumar secured First Rank in M.Tech. Degree, Kerala University Examination in Computer Science and Engineering.

- Ms. Sonia A. Joseph secured Second Rank in M.Tech. Degree, Kerala University Examination in Information Technology with specialization in Network Engineering.

Icmic 2013 - International Conference on Mobility in Computing

An International Conference on Mobility in Computing – ICMiC13 was jointly organized by the Department of Computer Science & Engineering and Information Technology on 17 and 18, December 2013, in association with the **Bowie University, USA**

The Conference was intended to provide an International Forum to bring together Engineers and Scientists from Academia, Industry to discuss the various emerging innovative practices in Mobility in Computing.

The conference was technically sponsored by the Computer Society of India, IEEE and the papers presented in the conference will be published in International Journal of Computer Science and Mobile Computing (IJCSMC).

Inauguration of ICMiC13

His Excellency Most Rev. Dr. Samuel Mar Irenios, Auxiliary Bishop of the Major Archieparchy, Trivandrum inaugurated the Conference. **Dr. Darsana Josyula, Bowie University, USA** delivered the key note address. In the different sessions papers were presented by scholars and researchers from various Institutions across the world.

Seminars and Courses Organised by the Department

- An invited talk on "Cyber Security and Forensic" by Mr. Bhadran V.K., Associate Director of CDAC, Trivandrum was arranged for the benefit of the members of the Faculty, PG students and S8 CSE students on 4th February 2013.

- An invited talk on "Business Growth Through Technology Innovation" by Mr. Subhash Parameswaran, GM, UST Global was arranged for the members of the Faculty, PG students and S8 CSE students on 8 April 2013.

- An invited talk on "Internet of Things" by Mr. Vijayakumar M., CEO, Webyfy.com was arranged for the members of the Faculty and PG students on 1 October 2013.

- An invited talk on "Research Methodologies – Research vs. Development" by Dr. George Varkey, Dean, Cardinal Cleemis School of Management Studies was arranged for the members of the Faculty and PG students on 4 October 2013.

- An invited talk on "Free and Open Source Software - BOSS Operating System" by Ms. Selina Haridas, CDAC, Trivandrum was arranged for members of the Faculty, PG students on 31 October 2013.

Consultancy and Research Work

- A team from our Department visited the UST Global, at Technopark, Trivandrum to explore the possibilities of using their facilities in doing M.Tech and B.Tech projects, in March 2013

- A discussion with Mr. K. L. Thomas (Addl. Director, CDAC) and Mr. Bhadran V.K. (Addl. Director, CDAC) regarding the setting up of a "Cyber Security and Forensic lab" was held in February 2013.

Workshops Attended By The Faculty Members

- Ms. Sarada B. S. attended a five day workshop on Research Methodologies in Computer Science organized by IIITM-K from 27-31 January 2014.

- Ms. Anitha Sandeep, Ms. Merin Kuriakose, Mr. Praveen G. L., attended Faculty Development Program on "Compiler Design and Optimization Techniques" sponsored by TEQIP-II at LBSITW from 13-18 January 2014.

- Mr. Shibu V. S. attended a three day Faculty Development Program on "Operating Systems and Network Programming" from 2 to 6 December 2013 at Marian Engineering College, Trivandrum.

- Mr. Binu Jose attended a three day Faculty Development Program on "Application Development using JAVA" from 27 to 29 November 2013 at TKM College of Engineering, Kollam sponsored by TEQIP-II.

- Ms. Anitha Sandeep attended a five days Workshop on "Design and Analysis of algorithms"-DAA'13" conducted by IIITMK from 6 to 10 Sept., 2013.

- Ms. Anupriya Vysala and Ms. Sunitha Krishnan K. S. attended a five days Workshop on "Cyber Security" conducted by IIITMK from 2 to 6, Sept. 2013.

Faculty Inclusion

- Ms. Sonia A. Joseph, M.Tech. from Govt. Engineering College, Barton Hill joined the Department in December 2013.

Paper Presentations and Publications

- Ms. Anupriya Vysala and Rojitha Abdullah(M3) presented a paper on "Secure Personal Health Records in Clouds: A Hierarchical Attribute Based Solution", in the International Conference on "Mobility in Computing" ICMiC13 Dec 2013

- Ms. Anitha Sandeep and Anu Aravind (M3) presented a paper on "A study of Work Flow Domain Authentication", in

the International Conference on "Mobility in Computing" ICMiC13 Dec 2013

- Ms. Anjali C. and Shini Renjith (M3) presented a paper on "A Personalized Travel Recommender Model Based on Content-based Prediction and Collaborative Recommendation", in the International Conference on "Mobility in Computing" ICMiC13 Dec 2013. It secured the best paper award in the Conference.

- Ms. Anjali C and Shini Renjith (M3) presented a paper on "A Comparative Study of the Fitness Function in Genetic Algorithm based Information Filtering", in the International Conference on "Mobility in Computing" ICMiC13 Dec. 2013

- Dr. Vikraman Nair and Remya Kartha (M3) presented a paper on "Data Mining for Causal Analysis of Software Defects : a Proposal", in the International Conference on "Mobility in Computing" ICMiC13 Dec 2013

- Mr. Robin Joseph and Sruthi Ignatius (M1) presented a paper on "Iterative Average Estimation Filter using BDND Algorithm for the Removal of High-Density Impulse Noise", in the International Conference on "Mobility in Computing" ICMiC13 Dec 2013

- Arunima S Kumar (M1) presented a paper on "Role of Mobile Device Forensics in Crime Investigation in Kerala: a Survey", in the International Conference on "Mobility in Computing" ICMiC13 Dec 2013

- Ms. Sarada B. S. and Meenu Rajan (M3) presented a paper on "An eContract Based Business Model for Cloud Computing", in the International Conference on "Mobility in Computing" ICMiC13 Dec 2013

Student Achievements

- Arjun G. K., S4 CS, got selection for Junior Indian Camp for Basketball. He represented the Kerala University in the South Zone Inter University Basketball Championship. He is the runner up in the Kerala University Basketball Championship.

- Rebecca Ann Luke, S6 CS, won the Kerala University Table Tennis Championship.

- Deepthi Mariam Thomas & Chris Dani, S8 CS, got second prize for Paper Presentation on "Big Data Implementation Based on Grid Computing" at DRISHTI'13 conducted by College of Engineering, Trivandrum in September 2013.

- Deepthi Mariam Thomas, S8 CS, got a Certificate for French, "Diplome d'etudes en langue Francaise DELF(A1) " by the Ministry of Education , FRENCH REPUBLIC.

- Zachariah Mathews, Sidharth R. R. and Ananth L., S6 CS, participated in the State level Programming Contest "Aspirations 2020" conducted by Infosys.

- Zachariah Mathews, S6 CS, participated in the Dly:Re-Engineering Kerala Workshop conducted by the MIT Media Lab in Collaboration with TechTop at MBCET from 29 July to August 1, 2013.

Social Activities By Students

As part of the Govt. of Kerala's initiative to make Kerala the first E-literate State of India, 35 students from the Computer Science Dept. of MBCET went to Pallichal Panchayath on a two day visit, on 14 and 15 Feb, 2014.

The aim was to the make the people, which included men and women of all ages (organized primarily by the Kudumbasree unit), including kids, familiar with the components of a Computer System, its usage and the wide ranging applications of the Internet, especially since most of the govt. schemes today reach the general public through the internet, the best example being the Aadhar project which is entirely based on the internet, with people's bank accounts being linked to their Aadhar number to receive their subsidies.

The students were divided into groups of two to six and sent to various study centers, mostly houses and in some cases anganvadis (primary level schools). Each student carried a laptop to illustrate the basics of computer systems. Additional desktop computers were also carried as part of our plan to accustom them with its usage and its difference with that of a standard laptop system. Since two days are not enough to teach the vast information related to computers, the plan is to organize several such events in the future to develop and inculcate the usage of computers in today's ever growing world of computerization. The NSS (National Service Scheme) wing of our college played a major part in giving us such a wonderful opportunity to perform an invaluable duty to our society. The

Pallichal Panchayath supported the initiative to a great extent by not only arranging for vehicles to transport the students to the various centers but also with food and refreshments for the participants.

Department of Electrical and Electronics Engineering

International Conference on Advances in Green Energy (ICAGE'14)

MEMORANDUM OF UNDERSTANDING ("MOU") was made on 19 December, 2013, by and between The Institute of Electrical and Electronics Engineers, Incorporated, a New York not-for-profit corporation ("IEEE"), acting through its Organizational Unit(s): Kerala Section ("Technical Co-Sponsoring Party") and Mar Baselios College of Engineering & Technology - MBCET, and has set forth the relationship and obligations relating to the 2014 International Conference on Advances in Green Energy (ICAGE) to be held from 17-Dec-2014 to 18-Dec-2014, in Thiruvananthapuram, India.

Swinburne University of Technology, Melbourne, Australia has agreed to technically support the International Conference on Advances in Green Energy (ICAGE'14). Faculty members and academicians from Swinburne University will serve in the advisory, technical and program committees for the Conference.

ISTE-SRM STTP

Mar Baselios College of Engineering and Technology is one among 40 Engineering Colleges in the country, selected by the ISTE-SRM STTP Expert Committee in reply to the proposal submitted by the Department of Electrical and Electronics Engineering for the conduct of an STTP on Advanced Control System Design & Applications. A total amount of Rs. 1,00,000/- was sanctioned towards the conduct of STTP, which will be held in the second week of June 2014.

ILLUMINA - (Technical Association of Electrical Engineering Students)

AutoCAD Training

The Association is conducting AutoCAD electrical training with Autodesk Certification for the final year Electrical Engineering students, which includes

- Software training using AutoCAD Electrical 2013 software.

- Autodesk course completion certificate.

Course duration: 30 hrs

30 students attended the course from 15-01-14 (4:15 pm- 5:30 pm) on all working days..

Quiz Prelims and Finals

As part of Illumina, Quiz prelims were conducted in which 49 teams with two members in each team from S1S2, S4, S6 and S8 classes on 17-01-14 participated. Six teams progressed to the finals held on 23-01-14. Top three teams represented S8 class. Cash awards of Rs. 1000/-, Rs. 500 and Rs. 250/- were distributed respectively to First, Second and Third position winners.

An invited talk on "Smart Metering" by Prof. N. T. Nair (Editor, the Techno-Managerial English monthly 'Executive Knowledge Lines', former Chairman of Institution of Engineers (India), Kerala State Centre, and IEEE, India Council) was held on 24-01-2014. All students from Electrical Department barring first years attended the talk and discussion thereafter.

Social Service Activities

1. Regional Cancer Centre, Medical College

Five students representing Electrical Engg. Department spent time with children below 14 years of age in the Pediatric Ward of RCC on 15-02-14. Children were given educational books and collected clothes. Distributed tea and coffee.

2. Ammathottil, Thycaud

Students and teachers from the Department visited the 'Ammathottil', a home for children less than 5 years of age on 21-02-14. Toys, baby products, cradles worth Rs. 31000/- were distributed.

3. Anandanilayam, Manacaud

Students and two teachers of the Department visited 'Anandanilayam', an orphanage on 23 Feb. 2014. Provisions worth Rs. 13000/- were donated.

Dept of Electronics and Communication Engineering

Research Activities by the Teachers

Dr Sakuntala S. Pillai, Dean (R&D), is guiding the following students in their doctoral research work under the University of Kerala in the area of Communications : Beena A. O., Luxy Mathews, Menon Ambika Omana, Suma Sekhar and Ancy S. Anselam.

Ms M. J. Jayashree submitted the synopsis of her thesis work on the "Study of Compression Techniques in Telemedicine" to the University of Kerala.

Publications

1. Anna Sony, Benjamin Mathews Abraham, Dainy Daynesious, Sristi Gupta, Mr. S. Viswanatha Rao, "STARK – Scientifically Trained Arm-Robotic Kinesis", IEEE Global Humanitarian Technology Conference, South Asia Satellite Conference, Trivandrum, 23-24 August 2013.

2. Ms. Luxy Mathews presented a paper titled "Performance of Pre-coded Spatially Multiplexed MIMO-OFDM system" in the International Conference on Mobility in Computing (ICMiC13) jointly organized by MBCET and Bowie State University, USA held at Trivandrum.

3. Ms. Luxy Mathews, Dr. Sakuntala S. Pillai, "Performance of Pre-coded Spatially Multiplexed MIMO-OFDM system" International Journal of Computer Science and Mobile Computing, ICMIC13, December- 2013, pg. 15-20

4. Sherry Varghese, Mr. Nandan S, Manu V. V., Shimna Sebastin, Sherin Leya Oommen, "Userdefined Autonomous Robotic Tracer", International Conference on Mobility in Computing (ICMiC13) jointly organized by MBCET and Bowie State University, USA held at Trivandrum.

5. Jijina N., Vishnu Ravi G., Mr. S. Viswanatha Rao, "An Android powered Wi-Fi Network", International Conference on Mobility in Computing (ICMiC13), 17-18 December, 2013, Trivandrum.

6. Jijina N., Vishnu Ravi G., Mr. S. Viswanatha Rao, "An Android powered Wi-Fi Network", International Journal of Computer Science and Mobile Computing, December-2013, pg. 50-55

7. A. O. Beena and Dr. Sakuntala S. Pillai, "An Efficient PAPR Reduction Technique for Mobile Terminals", International Conference on Mobility in Computing (ICMiC13) jointly organized by MBCET and Bowie State University, USA held at Trivandrum.

Seminar/Conferences attended by Faculty Members

1. "Two weeks Workshop on Signals and Systems", National Mission on Education through ICT (MHRD, Govt. of India), organized by IIT Kharagpur at MBCET, from January 2 to 12, 2014.

   Staff attended : Ms. Luxy Mathews, Ms. Ancy S. Anselam, Ms. Swapna P. S., Mr. Niyas K. Haneefa, Mr. Jinu Baby, Mr. Anoop K. Johnson, Mr. Arun P. S., Mr. Nandan S, Ms. Ann Mary Alex, Ms. Yamuna K. Moorthy, Ms. Poorna R. Prabhu, Ms. Aathira V., Ms. Arathy C. Haran and Ms. Poornima S.

2. Faculty development programme on "Soft Computing", held at TKM college of Engineering, Kollam from Nov 4 to 8, 2013. Staff attended: Ms Poornima S.

3. Short Term Training Programme on "Computer vision and Image Processing" Sponsored by TEQIP- II, November 20 to 22, 2013, organized by LBS Institute of Technology for Women, Poojappura. Staff attended: Ms. Deepa P. L., Ms. Teena Rajan, Mr. Anoop K. Johnson, Mr. Arun P. S.

4. One week coordinators workshop on "Signals and Systems", National Mission on Education through ICT (MHRD, Govt. of India), organized by IIT Kharagpur at IIT Kharagpur, from September 30 to October 5. Staff attended: Mr. Nandan S.

Achievement of Faculty Member

Ms. Poornima S. secured second rank for M.E. in Communication Engineering from Anna University.

Achievements of Students

1. IEEE Student Branch of MBCET has received Student Enterprise Award 2013 for the student project STARK (Scientifically Trained Arm - Robotic Kinesis) by Anna Sony, Benjamin Mathews Abraham, Dainy Daynesious, Sristi Gupta.

2. Joji John Varghese, S4 EC2, participated in YUVA MASTERMIND.

3. Reshma S. S., S4 EC1, won third prize for Mohiniyattam in Kerala Youth Festival, 2013

4. Athira Krishnan, Mariya Roniya, Swati Chandran, Aiswarya Krishnan of S4 EC1 won second prize for Group Dance and third prize for Thiruvathira in Kerala Youth Festival, 2013

5. Abhijit Kamath, S4 EC1, secured first position in the All Kerala Inter-University Chess Championship, 2013.

6. Alphonsa Joseph, S4 EC2, secured second position in the All Kerala Inter-University Chess Championship, 2013.

7. Abhishek R. B., S4 EC1, was runner up in the St. Joseph's Football Tournament held at Pala, 2014

8. Nicky Sarah Mohan, S5 EC, was a part of runner-up team in MIT TATA CENTRE workshop and co-founded ASAP (registered in startup village)

9. Joji John Varghese, S4 ECII, and Joshua Kochuthundiyil Mathew, S6 EC, was a part of the Winning Team in MIT TATA CENTRE workshop and co-founded ASAP (registered in startup village).

10. Neethu Ninan, S8 EC

    • Became 1st runner up in Badminton championship (Individuals), University level.

    • Became 1st runner up in Badminton championship (Team champion Ship), University level.

    • Fourth position in South Zone held at Manipal, Dec. 16 2013.

    • Got selection for National Inter University held at Bhuvaneswar.

11. Jithu Varghese of S8 EC was a part of the winning team in Basket Ball Championship, University level. Represented Kerala University for South Zone Interuniversity competition held at JNTU, Kakinada.

12. Abhijith K. Mathew, S8 EC, and Abhishek R. B., S4 EC1, were part of the runner-up team in All Kerala Engineering Football Tournament held at St. Joseph's College of Engineering & Technology, Palai, 2014

13. Abhijith K. Mathew, S8 EC, was a member of runner-up team in Badminton Tournament held St. Joseph's College of Engineering & Technology, Palai, 2014.

Extracurricular Activities

1) EC Association :

    • Conducted a workshop on "Robotics and Arduino" on September 14, 2013 by Mr. Sanju Mathew.

1) IEEE Activities :

    • Organized SHRIEEEK for the fresher batch of 2013 on February 01, 2014. Mr. Shibu Shajahan, Founder and first chairperson of IEEE MBCET and the Chief Guest of the day inaugurated the Event.

Department of Information Technology

Important events / Achievements (staff)

Seminars/Workshops Attended

➢ Ms. Asha S., Ms. Devi Priya V. S., Ms. Divya R. S. and Ms. Ashwini B., attended a three day workshop on "Wireless Networks: Research Methodologies and Issues" sponsored by TEQIP-II from November 4 to November 6, 2013, organized by Dept. of CSE and IT, LBS Institute of Science and Technology, Trivandrum.

➢ Mr. Shon J Das attended a three day workshop on "Application Development using Java" sponsored by TEQIP-II from November 27 to November 29, 2013, organized by Dept. of CSE, TKM College of Engineering, Kollam.

➢ Ms. Devi Priya V S attended a one week workshop on "Compiler Design and Optimization Techniques" from 13 to 18 January, 2014, organized by Dept. of CSE and IT, LBS Institute of Science and Technology, Trivandrum.

Paper Presentations and Publications

➢ Ms. Elizabeth B. Varghese presented a paper entitled "Facial Recognition Approach for Universal Identification" in the International Conference on Mobility in Computing (ICMiC'13) conducted at MBCET, on 17 and 18 December, 2013 and was published in the journal IJCSMC. The paper was co-authored by Mr. George Malayil, Ms. Rintu Rajan, Ms. Gouri R. and Mr. Amit Sebastin.

➢ Ms. Elizabeth B. Varghese published a paper entitled "Face Recognition Based On Vector Quantization Using Fuzzy Neuro Clustering" in the International Journal of Computer, Information Science and Engineering, World Academy of Science, Engineering and Technology, International Science Index 83, , 7(11), 153 – 162, December 2013.

➢ Ms. Indu V. and Mr. P. Ravikumar, presented a paper entitled "An Automatic Extractor and Recognizer for Indian Vehicle License Plates" in the International Conference on Mathematics, Statistics and Computer Engineering conducted on August 2013.

➢ Ms. Asha Liza John and Ms. Praseetha S. published a paper entitled "Study of Scope of Automation for Post Flight Analysis Activities" in the International Journal for Advance Research in Engineering and Technology, December 2013.

Technical Fest/ Student Convention

➢ The Faculty Members were actively involved organizing the "International Conference on Mobility in Computing" conducted in association with Department of Computer Science and Engineering on 17 and 18 December 2013.

Achievements of Faculty Members

➢ Ms. Indu V. has secured First rank in M.Tech. Computer and Information Science from CUSAT.

Photography Club

➢ Mr. Sandeep S R coordinated the following events:

1. Photography Exhibition at MBCET on 13September 2013. Photographs taken by the budding photographers of MBCET were exhibited at the Olympia.

2. Photography Contest was organized by the club on the theme 'Nature' on October 17, 2013. The contest was judged by Mr. Aghosh Vyshnavam (Fashion Photographer, Director of Photography-Malayalam and Tamil Film Industry). An invited talk was also conducted on the same day by Mr. Aghosh Vyshnavam

3. The Frames-logo was unveiled on October 17, 2013 in the presence of Bursar Rev. Fr. Wilson Thattaruthundil, Principal Dr. T. M. George and Asst. Bursar Rev. Fr. Raju Parukoor.

4. A one day workshop on photography was arranged for the students of MBCET, on December 07, 2013. Photography scholar and Fashion photographer Mr. Ranjith Joseph, Project Manager, HP gave guidance and tips on photography to the budding photographers of MBCET.

Student's Achievements

Academic

➢ Arathy Krishnan (S8IT) bagged the first position in the University of Kerala, in Sixth semester B-Tech Degree Examination May 2013 of Information Technology branch.

➢ Jithya Joseph (S6 IT) secured second rank in the University of Kerala, in Fourth Semester B-Tech Degree Examination May 2013 of Information Technology branch.

Sports

➢ Adheena K. Latheef (S8 IT) won third position in Table Tennis on All Kerala Open Prize Money Tournament held at Ernakulam and Table Tennis on All Kerala Open Prize Money Tournament held at Kozhikode.

➢ Nitin George (S8IT), Ajith V. K. (S6 IT), Arunkumar (S4 IT) and Gokul S. (S4 IT) won Second position in South India Karunya Basket Ball Championship at Coimbatore, First place in Don Bosco All Kerala Basket Ball Tournament,

First place in Kerala University Basket Ball championship and First place in Basket Ball in College Games 2014.

Social Service Activities

➢ Students of S8 IT along with the Faculty Members Mr. Sandeep S. R., Ms. Divya R. S. and Ms. Asha Liza John, visited Santhi Bhavan for the Mentally Challenged people at Vattapara on 20 February, 2014.

Extracurricular Activities

➢ Dany Sam Salmon and Divya Ann Jacob, S6 IT, attended one week MIT-TATA workshop at MBCET.

Faculty Inclusion

➢ Ms. Indu V., M.Tech. in Computer and Information Science and Ms. Asha Liza John, ME in Computer Science and Engineering.

Department of Mechanical Engineering

Faculty Development Programme Attended By Faculty Members

The IIT Bombay conducted a 'two-weeks ISTE workshop on ENGINEERING MECHANICS' under the National Mission on Education through ICT at MBCET for the Faculty Members of Mechanical and Civil Engineering Department during the vacation period in Winter from 26 Nov. to 6 Dec. 2013. The following faculty members attended the workshop – Mr. Sreekanth K. J, Ms. Nidhi M. B, Mr. Ajeesh M. V, Mr. Roshan George Koshy, Ms. Ruby Maria Syriac, Mr. Sreejith N. K and Mr. Shyam Sundar V.

New Faculty Members

The following teachers joined the Department: Mr. Anup Darshan, M.E. – Design Engineering, BITS Pilani; Ms. Resmy J. Devan, M.Tech. – Machine Design, SCTCE Trivandrum; Mr. Shyam Sundar V., M.Tech. – Machine Design, Amal Jyothi College of Engineering, Kanjirapally; Mr. Vishnu V. M., M.Tech. – Production Engineering, GEC, Thrissur.

Research Papers/Publications

Mr. Hari Venkit, Mr. Arun Sasi S. J, "Effect of Surface Crack in a Composite Homogenous Steel Cantilever Beam in different conditions using Finite Element Method" at the MA College of Engineering, Kothamangalam at the International Conference on Innovations in Design & Manufacturing (iDeM 2014).

Mr. Vinod V., Dr. S. Anil Lal, "Investigations of Natural Convection within Vertical Annulus" in National Conference on Technological Trends (NCTT 2013) held at College of Engineering Trivandrum.

Mr. Anup Darshan, Mr. Uma Maheshwera Reddy P, Mr. N. Suresh Kumar Reddy and Mr. Srinivasa Prakash Regalla, "A Comparative Study of Tribological Behavior of Steel Sliding Against WC Under Mineral and Biodegradable Oil Lubrication" Paper No. IMECE2012-87182, pp. 1009-1012; 4 pages, ASME 2012 IMECE, Houston, Texas, USA.

Ms. Resmy J. Devan, Dr. S. H. Anilkumar, Dr. S. Biju, "Numerical Studies on the Effect of Tool Geometry and Welding Parameters in Friction Stir Welding of AL2219" in IIT Madras at the International Conference on Computer Aided Engineering (CAE-2013).

ACHIEVEMENTS

Mr. Anup Darshan was the topper in M.E. – Design Engineering 2013 at BITS Pilani. He is also the co-author of Resonance publication, the book containing previous University questions, of S1S2 fully solved.

Mr. Vinod V. secured the First Rank in Kerala University in M.Tech – Thermal Science 2013; He won the best paper award in NCTT 2013 held at the College of Engineering Trivandrum for his paper titled "Investigations of Natural Convection within Vertical Annulus".

INVITED TALK

A lecture was arranged by the Department on 5 February, 2014 for the benefit of the final and pre-final year students of Mechanical Engineering. The topic was – "Importance of Quality in Industry". The topic was handled by Sri. Mohan Ananthanarayanan, Dy. General Manager - Quality Control Dept. of VSSC Complex, Trivandrum. The speaker explained the importance of ensuring quality in the products right from the design stage.

He explained the procedures and processes followed in Industry, system requirements, measurements and other aspects of quality. The Lecture was well received by the students.

Student Achievements and Activities

Mr. Aswin P. Kumar, S8 ME, secured third position in English debate at South Zone Inter-University Youth Festival held at Bangalore. He was also selected as the best outgoing student of the college for the academic year 2010-2014 and was presented EXEMPLARY MASTERMIND Award for the excellence in both academic and extra-curricular activities.

Mr. Sankar Vaidyanath, S4 ME, won the first prize for

participating in group song event at the University Youth festival.

Mr. Ranjith H., 2 year M.Tech (Machine Design), secured Gold medal in 94 kg category at the Kerala University Weight Lifting Championship.

Students of Mechanical Engineering visited the Marthoma Guidance Centre for cancer patients on 23 February 2014. Recreational and cleaning activities were done by the students.

Department of Science and Humanities

Ms. Neeradha C. K. participated in the Short Term Training Programme on LINEAR ALGEBRA during December 9 -13, 2013 - organized by Department of Mathematics LBS Institute of Technology for Women, Thiruvananthapuram. The research work leading to Ph.D. of Ms. Rajalekshmi I. S., Ms. Binimol Mary Mathew, Ms. Dhanya Ramachandran, Ms. Archana P. Das, Ms. Neeradha C. K. and Ms. Lekshmy I. is progressing.

Faculty Chapter ISTE-MBCET

The session on 'Effective Classroom Teaching for Professional Courses' was handled by Mr. Krishnakumar and Mr. Sankar on 7 Nov. 2013 at 9.30 am. The session included Goals Setting, Notes Making, Public Speaking Skills, Importance of Physical Fitness & Voice Modulation, Giving and Receiving Feedback (criticism / objection), Making Assignments Interesting, Fair Practices in Internal Assessment.

The session also included short mock sessions by Faculty Members Mr. Arun S. Mathew, EEE dept and Ms. Ruby Mariam, ME dept. The feedback by experts gave value insight from these mock sessions. The function was presided over by Dr TM George, Patron of ISTE-MBCET faculty chapter. The welcome address was delivered by Ms. Nidhi MB of ME dept, Chairman ISTE-MBCET, felicitations by Ms. Ansu Mathew, CE Dept and Ms. Divya N. A. of EE dept, Secretary ISTE-MBCET Faculty Chapter.

There were 44 participants from MBCET. The session was

organized by Ms. Divya, Secretary ISTE MBCET Faculty Chapter and Ms. Nidhi M.B., Chairman.

Faculty office bearers receiving award at 24th Annual Convention, 16 November, 2013 held at HEERA College of Engineering and Technology, Trivandrum. The theme of the Convention was "Challenges and Opportunities in Technical Education, Research and Innovation in the Digital World"

- ISTE student chapter MBCET was inaugurated on 28 June 2013, by Dr. Sukesh, Former Principal, CET, Tvm. It was followed by a session on "Future Direction in Engineering" by Dr. B. Anil, Chairman ISTE Kerala Section and Principal, GEC, Wayanad.

- The Chapter organized a session on "Awareness on Patenting Procedures" for the Eighth Semester students on 3 April, 2013. Dr. Balagangadharan, Brahm Prakash Scientist, VSSC, was the resource person.

- ISTE MBCET chapter celebrated ISTE foundation day on 21st May 2013 on the theme "Awareness to open source resources for Engineering Education". Sessions were handled by Prof. Kesav Prasad, on "Software programming and Engineering Computation for Engineers using Processing" Dr Sreekanth, Assoc. Prof, ME Dept, MBCET on Vlabs. Co-ordinators were Ms. Nidhi M. B. (AP ME) and Ms. Divya (AP EE). The session was presided by Dr. Sakuntala S. Pillai, Dean Research and Development, MBCET and Prof. Paul Thomas, Dean PG studies, MBCET.

- ISTE Student Chapter won the special Prize for Maximum new membership of 519 students. The award was received by Ms Elizabeth (AP IT) - and Ms. Aswini (AP IT- ISTE-MBCET Student Chapter Treasurer in charge) in the inaugural function of 12th Annual convention of ISTE Student Chapters held at TKM College of Engineering, Kollam on 16 August, 2013.

- The Article on "Quantum Computing: The Next Information Revolution" by Amal Mary George, S3 IT, has been published in Souvenir released by TKM college of Engineering on the Occasion of ISTE Student Chapters.

- A session on Technology Entrepreneurship was organised on 23-01-2014 for students of MBCET with an aim to encourage entrepreneurship among students. The resource persons were Mr Rajesh Nair Fellow MIT System deisgn and Management), Mr Adithya Pasupuleti, (Stanford India Biodesign).

The Patron of ISTE MBCET CHAPTER - Dr. T M George, Principal, MBCET

Chairman: ISTE-MBCET Faculty CHAPTER – Ms. Nidhi M. B., AP ME

Secretary : Ms Asha.S, APIT, MBCET

Treasurer : Faculty Chapter- Ms .Yamuna Moorthy, AP EC Student Chapter – Ms. Aswini B., AP IT

Student co-ordinators/Advisors - 1) Dr. K. J. Sreeknth, Assoc.

Prof. ME dept and 2) Ms. Elizabeth B. Varghese, AP IT

Department Representatives of ISTE Faculty Chapter: 1) Ms. Sheenu P., AP EE, 2) Mr. Shibu V. , AP CS, 3) Ms. Neema Theresa , AP CE, and 4) Ms. Ann Mary Alex, AP EC.

Spark – State Level Project Competition

A State Level Project Competition co-sponsored by Mathrubhoomi Seed and MBCET was held at the Olympia MBCET on 26 & 27 Sept. 2013. Shri. P. K. Abdu Rabb, Hon'ble Minister for Education, Govt. of Kerala inaugurated the competitions. Mayor Adv. K. Chandrika presided over the function. The competition was held to promote Environment-Friendly Technology, under three streams namely; School, College and General Sections. Of the 300 entries, only short listed projects were exhibited in the Finals. In the School Level Competitions Kasaragod Pothavoor AUP School won the 1st prize Rs.1 lakh; St. Sebastian's HSS, Thodupuzha won the 2nd prize Rs.50,000/-. In the College Level Competitions S.D. College, Alappuzha won the 1st prize Rs.1 lakh; the Providence Women's College, Kozhikode, won the 2nd prize Rs.50,000/- and Malabar Christian College won the 3rd prize Rs.25,000/-. In the general category, K. Swapna, Payyannur won the1st prize Rs.50,000/- and Niravu, Vengeri, Kozhikode won the 2nd prize Rs.25,000/-. Shri. Adoor Prakash, Hon'ble Mininster for Revenue gave away the prizes. Mr. Arul Jerald, Director of Science, Technology and Museum, Mr. A. Shajahan, Secretary, General Education Dept., Shri. N. S. Vinod Kumar, Regional Manager, Mathrubhoomi, Trivandrum, Fr. Wilson Thattaruthundil, Bursar and Dr. T. M. George, Principal, spoke on the occasion. A panel discussion on Environment & Technology was held in the morning in which Prof. Dr. G. Nagendra Prabhu, S. D. College, Allappuzha and Prof. Sreedevi, College of Engineering, Trivandrum actively participated in the discussion.

Baselian Fest

The Baselian Fest 2013 was held on 28 Sept. 2013 under the auspices of the College Senate. In the Second Arts Fest of the College, Competitions in Music, Dance, Theatre Events, Fine Arts and Literary Events were held and the winners were given prizes.

CROSSROADS 2014

Crossroads 2014, the National Level Techno-Cultural Fest was inaugurated by Shri. Fahad Fazil, the renowned Cine Artiste, on 28 Feb. 2014. **His Beatitude Moran Mor Baselios Cardinal Cleemis Catholicos,** Major Archbishop of Trivandrum and

Patron, MBCET, presided over the function. 40 Technical Events were held on 1 and 2 March 2014. The Fest came to a close on 2 March with the Pro-show by the Band "Agam" and Q 8.

Eminent Alumnus

Ms. Gayathri Krishnan B. (Civil Service Rank No.37) an Eminent Alumnus of MBCET was felicitated on the occasion.

OFFROADZ 2014

The auto expo organized by Department of Mechanical Engineering in Mar Baselios College of Engineering and Technology, Nalanchira was held on March 1&2 at Mar Ivanios stadium, Nalanchira. The inaugural function took place on 1 March at 11:00 am and was presided over by Rev. Raju Parukoor, Dr. T. M. George and Prof. K. M. Raju.

MBCET has finally provided a platform for all the automobile lovers to showcase their best. The yesteryears' vintage vehicles, amazingly and crazily modified cars and bikes and the most luxurious vehicles which one can only dream of were at display at OFFROADZ 2014.

The auto expo witnessed the Aero show of small Static Aircraft Models and Radio Controlled Dynamic Aircraft. It entertained the spectators with acrobatic moves. The aircraft was controlled by the NCC student wing, Cadet Warrant Officer's Muhammed Mysha Ashraf and Arya U. P., who won the Gold medal at the All India remote controlled aircraft competition at the Republic Day parade, New Delhi.

With the theme "SAFETY IS IN OUR HANDS" a road safety campaign was held on 23 February 2014 at Sanghumugham beach which received a great response from the public. The session started with beach cleaning in association with

Department of Tourism. A sand sculpture of a hand holding a car was casted by Sri. Deepak Moutatil. The evening session was inaugurated by Sri. Harikumar, Sub. Inspector of Police, Valiyathura, followed by a public interaction session on road safety awareness. All the people who gathered there lighted up candles around the sculpture in memory of their loved ones who lost their lives in road accidents.

NSS Unit

The NSS Unit initiated the e-Literacy campaign at Pallichal Grama Panchayat. Govt. has officially announced it as the first e-literate panchayat of Kerala.

The Unit has a HARITHASENA for promoting organic farming and at present vegetable plantation is done in one acre in our adopted village at Snehaveedu, (a destitute home for the mentally challenged). The NSS Unit helped in the construction of a house for the poor family at Vembayam near Trivandrum. The unit actively got involved in the Punarjjani project of the Kerala State Youth Welfare Board aimed at giving new life to the hospital equipments in Govt. Hospitals. A one day Nature camp was conducted for NSS volunteers at Kottoor near Neyyar Dam. This camp was aimed at creating awareness among NSS volunteers the need for preserving the forest. This Programme was funded by the Forest Dept. The NSS Unit helped in the construction of basic amenities for a family at Nemom.

Awards and honors: our unit won the State Level award for the best organization of State Level programmes in our college. This award was given at the annual meet conducted from Feb. 21st to 23 at SNGIST, North Paravur, Ernakulam.

MBCET Library News

The Central library of MBCET has been modified. The newly furnished library has the additions of more that 800 new titles. A new website for the library has been launched in October 2013. For details visit: www.mbcet.libsoft.org

Jesus Youth at MBCET

The Jesus Youth in Mar Baselios had yet another eventful and blessed year.

On 27 August 2013 the Night Vigil for Lumen was conducted at St. Basil's Chapel. It had a session by Fr. Shaji Vichoorkarettu and Dr. Joji John. There was a Jericho prayer for God's protection and grace. Lumen, the 3 day retreat held for August 30 to September 1, 2013 was led by Fr. Danniel Poovennathil and Dr. Helen. At the start of every Semester, the Jesus Youth organizes a night vigil. In this semester it was held on the 24th of January. It started at 5.00 pm in the college chapel and sessions were taken by Fr. Joe Mathew and Sr. Michael. "Grace 14" a reunion for the College Jesus Youth seniors and the present Jesus Youth Students was a great experience. Fr. Joe Mathew and Fr. Daniel Plavila were the guest speakers.

Crossroads 2014 saw a musical skit by the Jesus Youth family in MBT about the different temptations that a youth faces. On 11 March 2014, Jesus Youth core team reconstitution was held. There was an anointing prayer for the new core team of Jesus Youth at the College Chapel. Each member was anointed by Fr. Shoji Vichoorkarottu and prayed for the old core mebers and Jesus Youth Elders. Nithin Saji, S6 EC, (Co-ordinator), Reshma Sony, S4 CE (Asst. Co-ordinator) are the new office bearers of the Jesus.

Beautification with a Meaning

The campus in its course of development, is to receive a new facelift soon. The work for it is in progress. With a view to "save water and greenery" on the campus, the ponds which provide water to the sister Institutions also, are being restructured and modified as a reservoir for Rain-Water Harvesting increasing its storage capacity.

Sports & Games

The Basketball Team won the Championship in College Games 2014. It is the first time that a self financing Engineering College wins the Championship. The team won the Kerala University Championship, the Don Bosco, All Kerala Open Tournament. The MBCET team was the Runner-up in South India Karunya Trophy, Coimbatore and defeated the legendary professional teams KSEB & Kerala Police. The members of the team were:) : Nithin George N. F. (S8 IT), Jithu Varghese Jacob (S8 EC), Srikanth Sasidharan (S6 ME), Robin Roy (S6 ME), Ajith V. K (S6 IT), Mohammed Noufal (S6 CE), Abhijith Vijayan (S4 ME), Ajun G. K. (S4 CS), Arun Kumar (S4 IT), Gokul S. (S4 IT), Jishnu G. Nair (S1S2 ME), Irin Stephen (S1S2 CS), Rijas T. M. (S1S2 CS)

Outstanding Acheivement in sports :
Adeena K.Latheef (S8 IT)

Participated in All India Interuniversity Competition Represented Kerala University for South Zone Inter University

Competition and secured 3rd position Winners in the Kerala University Inter Collegiate Table TennisTeam championship Runner-Up in the Kerala University Inter Collegiate Table Tennis Individual championship Got selection in Kerala State Senior Winner in the Kerala University Table Tennis championship team

Kerala University Chess championship

Chess Women - Runners-up -: Pavitha Shaji Mathew (S7 EE), Divya Ann Jacob (S5 IT), Bincy Mariam Koshy (S3CE), Alphonsa Joseph (S3 EC),

Chess Men : Abhijith Kammath (S3 EC) Individual Champion in the Kerala University Chess championship

Table Tennis (W) : Winner in the Kerala University Inter Collegiate Table Tennis championship Adeena K. Latheef (S8 IT), Elizabeth Cherian (S8 CE), Rebeka Ann Luke (S8 CS)

Table Tennis (M) Runner-Up in the Kerala University Inter Collegiate Table Tennis championship

Joel Jose Paul (S8 ME), Roshen Sam Reji (S8 ME), Ajith P. Joseph (S6 EC), Vivek S. Kumar (S6 EC)

Shuttle (Men): Member of Kerala University Shuttle Badminton Team

Jithin Suresh (S4 ME)

Shuttle Badminton (Women)

Participated in All India interuniversity competition Represented Kerala University for South Zone Inter University Competition and secured 4th position Runner-Up in the Kerala University Inter Collegiate Shuttle Badminton Team championship

Neethu Ninan (S8 EC), Divya R. (S4 IT)

Weight Lifting (Men) : Gold Medalist in Kerala University Inter Collegiate Weight Lifting Championship

Renjith (M.Tech.)

KU Tabletennis-winners

KU Shuttle Badminton-1st Runner-up

KU Table Tennis -1st Runner-up

KU Chess-1st Runner-up

All Kerala Inter Engg trophy football tournament-1st Runner-up

Art & Culture

Kerala University Youth Festival 2014

MBCET has re-written history being the first Engineering College winning the Overall Championship in the Kerala University Youth Festival 2014. About 150 participants from MBCET contested in 77 out of 81 events and won the Championship with total 136 points. Among them Mr. Aswin P. Kumar, S8 ME and Ms. Gopika M. S., S8 EC, won a Hat Trick in English Debate and English Elocution respectively. The list of winners is given below:

Item Prize Name of Participant, Branch & Semester

● Light Music, First Immanuel Henry, CE - S8, Hindustani Classical Vocal Second Sankar Vaidyanathan, ME – S4 ● Mappilapattu, First, Immanuel Henry CE - S8 ● Stringed Instrument - Western, First, Sruthi Krishnakumar, IT – S4 ● Wind Instrument – Eastern, Third, Sankar Vaidyanathan, ME – S4 ● Group Song, Third, Immanuel Henry (CE - S8), Irene Sarah Jose (EEE – S6), Divya Mary Thomas ● (CE – S8), Sruthi Ramesh (CS – S8), Sairaj M. Pillai (IT – S4), Anjana Padman (EC – S1S2), Sankar Vaidyanathan (ME – S4), Anju

Kerala University Youth Festival 2014 : MBCET at Glance

Kerala University Youth Festival 2014 Winners

M. Mohan (CE – S4), Sumitha Sudheer (EC – S6), Sruthi Krishnakumar (IT – S4) ● Western Vocal (Group) Second Varghese David Kolath (ME – S8), Tanya Susan Thomas (EEE – S8), Kiran K. Thomas (ME – S4), Joel Jiji (ME – S6), Smrithi Cheriyath (M.Tech.), Joann Rachel Jacob, (CS – S1S2) ● Ganamela, Third, Ali Saahil (CS – S1S2), Joshin Jacob (CS – S1S2), Immanuel Henry (CE – S8), ● Sai Raj M. Pillai (IT – S4), Sruthi Krishnakumar (IT – S6), Joel Jiji (ME – S6), Agnel Geo Francis (EEE – S4) ● Vrindavadhyam, Second Ali Saahil (CS – S1S2), Joshin Jacob (CS – S1S2), Sidharth R. R. (CS – S6), Prakash Thomas Francis (EEE – S8), Sruthi Krishnakumar (IT – S6), Sairaj M. Pillai (IT – S4), Agnel Geo Francis (EEE – S4) ● Folk Song, Third, Immanuel Henry (CE – S8), Sairaj M. Pillai (IT – S6), Harikrishanan R. B. (CS – S6), Sruthi Krishnakumar (IT – S4), Irene Saran Jose (EEE – S6), Sruthi Ramesh (CS – S8), Divya Mary Thomas (CE – S8) ● Bharathanatyam, First, Arjun K. S. (ME – S1S2) ● Kuchipudi, First, Arjun K. S. (ME – S1S2) ● Folk Dance First, Arjun K. S. (ME – S1S2), Reshmi M. Nair (CE – S4) ● Kathakali, First, Arjun K. S. (ME – S1S2) ● Second Vishnu Vijay (CE – S6) ● Mohiniyattam Ottamthullal, First, Vishnu Vijay (CE – S6) ● Second, Arjun K. S. (ME – S1S2) ● Group Dance, Third, Swati Chandran (EC – S4), Shruthi Geetha (EC – S6), Aiswarya Krishnan (EC – S4), Athira Krishnan (EC – S4), Neethu Suresh (CE – S6), Mariya Roniya (EC – S4), Akshara M. A. (EEE – S1S2), Greeshma B. S. (CE – S4), Krishna S. Dileep (EEE – S1S2) ● Thiruvathira, Second, Swati Chandran (EC – S4), Shruthi Geetha (EC – S6), Greeshma B. S. (CE – S4), Athira Krishnan R (EC – S4), Aiswarya Nair B. (EC – S1S2), Aiswarya Krishnan (EC – S4), Reshma Sony (CE – S4), Mariya Roniya (EC – S4), Anju M. Mohan (CE – S4), Anjana Padmam (EC – S4) ● Margamkai, Third, Reshma Jayakumar (EEE – S8), Nanda Sathyapal B. (EEE – S8), Aparna Velayudhan (CS – S8), Meenu Joseph (EC – S6), Akshara S. Pillai (EC – S1S2), Sarreen Sara Solomon (EEE – S1S2), Gayathry Pradeep Kartha (CS – S1S2) ● Kerala Nadanam, First, Arjun K. S. ME – S1S2 ● Third, Reshmi M. Nair CE – S4 ● Kerala Nadanam Group, Second, Akshara M. A. (EEE – S1S2), Aiswarya Nair B. (9EC – S1S2), Krishna S. Dileep EEE – S1S2 Neethu Suresh CE – S6 Mariya Roniya EC – S4 Reshma S. S. EC – S4 Vishnu Vijay CE – S6 Arjun Vijay ME – S1S2, Anju Parvathy L. D. CS – S1S2 Syam IT – S6 Syam Mohan CE – S1S2 ● Debate – English, First Aswin P. Kumar (ME – S8) and Gopika M. S. (EC – S6) ● Elocution - English, First, Gopika M. S. (EC – S8) ● Mono Act, Second, Syam Mohan M. S. (CE – S1S2) ● Fancy Dress, First, Reshmi M. Nair (CE – S4) ● Skit, First, Sambhu Manoj (EEE – S4), Geojo Jacob George (EC – S6), Syam Mohan M. S. (CE – S1S2), Juby Mathew (EC – S6), Abey Abraham (EC – S4), Anju Parvathy L. D. (CS – S1S2). ● Collage, First, Aiswarya Raju Antony CE – S6

Margamkali

Kerala Nadanam

Group Dance

Thiruvathira

Group Song

Folk Song

Ganamela

Vrindavadyam

Skit

Kerala University Youth Festival 2014 : Winners

VISIT OF DIGNITARIES

Mr. Eric Swinn, Vice-Consul, U.S. Consulate had an interaction with selected students of the campus on 6th Dec. 2013

FROM NEW YORK UNIVERSITY

A delegation of 25 students and Prof. Teboho Moja from New York University visited the college on 21st January 2014. The main purpose of the visit was to interact with faculty, administrators and students of MBCET to understand the higher education issues in Kerala. The session had a presentation on the various aspects of the functioning of the institute by Dr. Neethu Roy, Associate Professor, Department of Civil Engineering. This was followed by an interactive session of the delegates with the Principal, Deans, Heads of Departments and student representatives from all branches.

Christmas Celebrations

A family get-together of the Staff Members to celebrate the Christmas was held on 19 December 2013 at the Arena, the Open Air Theatre. His Beatitude Moran Mor Baselios Cardinal Cleemis Catholicos, the Patron and His Excellency Most Rev. Dr. Samuel Mar Irenios gave the Christmas message. The cultural programmes performed by the children of the Staff Members ended with Carol songs sung by the members of the Staff.
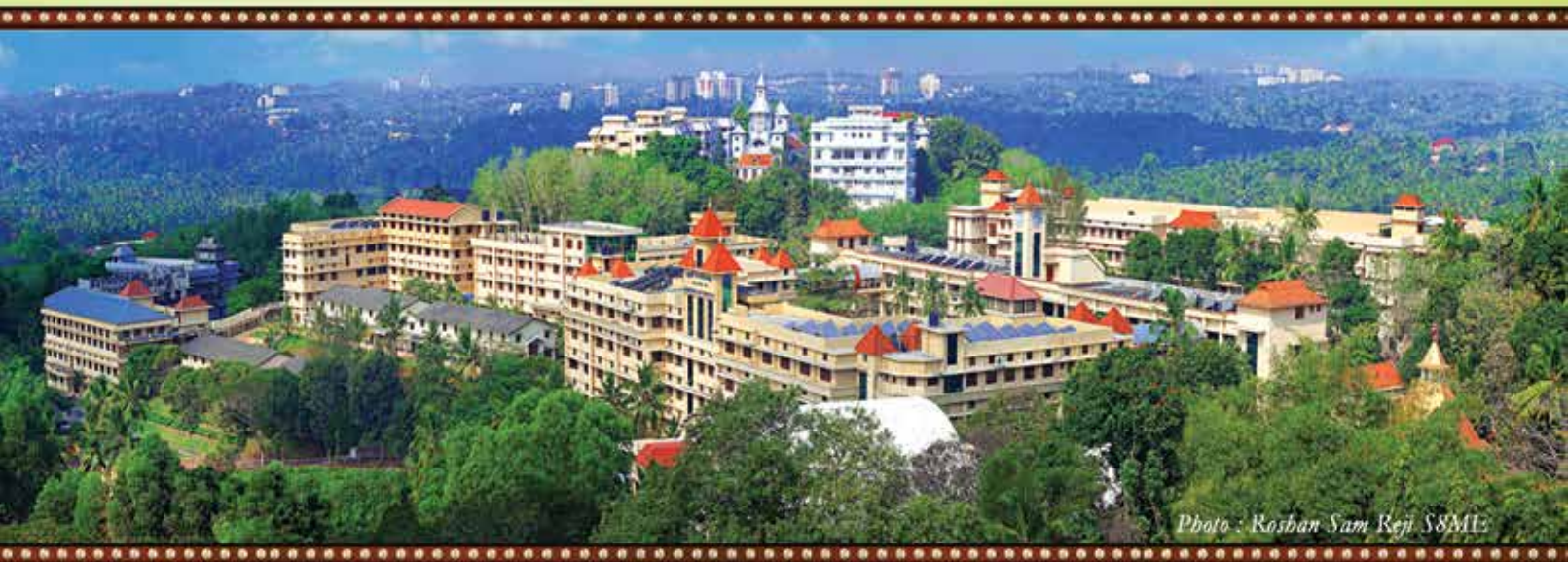
Duc In Altum.......
To the Heights of Excellence

Decipherers of Techno-dreams Since 2002

Photo : Roshan Sam Reji S8ME

The founder conceived it. We build it. Posterity sustains it.